

IN THE CLAIMS

Please amend the claims as follows:

1.-70. (cancelled)

71. (currently amended) A collection, comprising:

a plurality of implantable medical devices that are each of a different type; and
a standalone implantable power module configured to power each of the medical
devices, the module configured to be removably connected to each medical device such that
the medical device is located external to the module, the module comprising:

a sealed biocompatible case enclosing a power source for powering the
medical devices ~~a medical device located external to said case;~~

a power management circuit; and

an one or more inductive charging coils ~~coil; wherein~~
~~said implantable power module is standardized to power a variety of different~~
~~medical devices.~~

72. (currently amended) The collection of implantable power module recited in claim 71
wherein the said power source includes ~~comprises~~ an electrochemical storage device.

73. (currently amended) The collection implantable power module of claim 71 wherein the
~~said power source includes~~ ~~comprises~~ at least one primary battery.

74. (currently amended) The collection of implantable power module recited in claim 71
wherein the said power source is shielded with a ferrous material.

75. (currently amended) The collection of implantable power module recited in claim 71
wherein the said power management circuit and the said inductive charging coil are enclosed
within the said sealed biocompatible case.

76. (currently amended) The collection of implantable power module recited in claim 71 wherein the one or more said inductive charging coils ~~coil~~ is located outside the said sealed biocompatible case.

77. (currently amended) The collection of implantable power module recited in claim 76 wherein the said coil is coated with a polymer coating.

78. (currently amended) The collection of implantable power module recited in claim 71, further comprising:

a communication means for remotely interrogating the status of the said power module.

79. (currently amended) The collection implantable power module of claim 71, further comprising:

a means for remotely controlling the said power module.

80. (currently amended) The collection of implantable power module recited in claim 71, wherein the module includes further comprising at least one ~~external hermetic~~ connector for ~~coupling said power source~~ connecting the module to the medical devices such that a hermetic seal is formed between the power module and the medical device to the medical device located external to said case.

81.-83. (cancelled)

84. (previously presented) A implantable power module comprising:

a sealed biocompatible case containing components consisting essentially of:

at least one electrochemical energy storage device;

a communication couple; and

a power management circuit.

85. (currently amended) The implanted power module recited in claim 84 further comprising at least one external hermetic plug configured to connect the module to a medical device such that a hermetic seal is achieved between the module and the medical device.

86. (previously presented) The implantable power module recited in claim 84 further comprising an inductive charging coil.

87. (currently amended) A method, comprising: ~~for using a power module comprising a sealed biocompatible case enclosing a power management circuit and a power source for powering a medical device located external to said case, said method comprising the acts of:~~
providing a standalone implantable power module standardized to power a variety of different implantable medical devices;

selecting an implantable medical device from among a plurality of medical devices that are each of a different type, each medical device being removably connectable to a power module configured to power each of the medical devices, the module configured to be connected to each medical device such that the medical device is located external to the module, the powerable by said power module comprising a sealed biocompatible case enclosing a power source for powering a medical device connected to the module;

connecting the coupling said power module to the selected medical device; and
implanting the said power module in a human or animal body.

88. (currently amended) The method of claim 87, further comprising: ~~wherein said implanting act comprises injecting the said power module into the in said body.~~

89. (currently amended) The method of claim 87, further comprising:

implanting the selected medical device in a body, and the act of:

locating the power module after the said power module has been implanted in the said
body.

90. (currently amended) The method of claim 87, wherein the power module is connected to the medical device said coupling act comprises the act of:

~~connecting the medical device to the power module~~ via a hermetic connector prior to implanting the said power module in the said body.

91. (currently amended) A collection, comprising:

a plurality of medical devices that are each of a different type; and

a standalone standardized implantable power module suitable for use with each of the
~~a variety of different implantable medical electronic devices without the need to modify said~~
~~power module for each type of said medical electronic device~~ configured to power each of
the medical devices, the module configured to be removably connected to each medical
device such that the medical device is located external to the module.

92. (currently amended) The collection ~~standardized implantable power module~~ of claim 91 wherein the said power module has a capacity of approximately 0.1 to 10 mAh.

93. (currently amended) The collection ~~standardized implantable power module~~ of claim 91 wherein the said power module has a capacity of approximately 10 to 500 mAh.

94. (currently amended) The collection ~~standardized implantable power module~~ of claim 91 wherein the said power module has a capacity of approximately 500 mAh to 20 Ah.

95. (cancelled)

96. (currently amended) The collection ~~standardized implantable power module~~ of claim 91, wherein the module is further characterized by being directly connectable to each said medical ~~electronic~~ device.

97. (currently amended) The collection ~~standardized implantable power module~~ of claim 91 further characterized by being connectable to each the said medical ~~electronic~~ device via a lead.

98.-101. (cancelled)

102. (New) The collection of claim 71, wherein the module is connected directly to the selected medical device.

103. (New) The collection of claim 71, wherein the medical devices are configured to be plugged directly into the module.

104. (New) The collection of claim 71, wherein one or more of the inductive charging coils surrounds the power source.

105. (New) The collection of claim 71, wherein the medical devices are selected from a group consisting of: cardiac defibrillators, cardiac pacemakers, cardiac assist pumps, artificial hearts, neuromuscular stimulators, cochlear implants, artificial hearing devices, artificial vision devices, deep brain stimulation devices, electronic pain blockers, automatic drug delivery devices, therapeutic alarm or signal devices, and sensor or biotelemetry devices.

106. (New) The method of claim 87, connecting the power module to the selected medical device includes connecting the module directly to the selected medical device.

107. (New) The method of claim 87, connecting the power module to the selected medical device includes plugging the module directly into the selected medical device.

108. (New) The method of claim 87, wherein the medical devices are selected from a group consisting of: cardiac defibrillators, cardiac pacemakers, cardiac assist pumps, artificial hearts, neuromuscular stimulators, cochlear implants, artificial hearing devices, artificial vision devices, deep brain stimulation devices, electronic pain blockers, automatic drug delivery devices, therapeutic alarm or signal devices, and sensor or biotelemetry devices.